

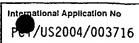
A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01L51/50 G02F G02F1/13357 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED $\label{lem:minimum documentation searched (classification system followed by classification symbols)} \begin{tabular}{ll} IPC 7 & H01L & G02F \\ \hline \end{tabular}$ Documentation searched other than minimum documentation to the extent that such documents are included in the lields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, INSPEC, COMPENDEX C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category * 1-43 Υ EP 1 378 787 A (TOYOTA JIDOSHOKKI KK) 7 January 2004 (2004-01-07) abstract paragraph '0022! paragraph '0053! - paragraph '0055! 1-7Y "ELECTRO-LUMINESCENT BACKLIGHT FOR COLOR 19-43 DISPLAY" IBM TECHNICAL DISCLOSURE BULLETIN, IBM CORP. NEW YORK, US, vol. 35, no. 2, 1 July 1992 (1992-07-01), pages 433-434, XP000313346 ISSN: 0018-8689 the whole document -/--Patent family members are listed in annex. Further documents are listed in the continuation of box C. Х Special categories of cited documents: "T" later document published after the International filing date or priority date and not in conflict with the application but *A* document defining the general state of the art which is not considered to be of particular relevance cited to understand the principle or theory underlying the 'E' earlier document but published on or after the International "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. citation or other special reason (as specified) *O* document reterring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *&* document member of the same patent family Date of the actual completion of the International search Date of mailing of the international search report 03/09/2004 17 August 2004 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 Nt - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nt.

fax: (+31-70) 340-3016

1

Girardin, F

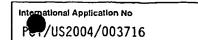
Form FOT ISA-210 (second choot) (January 2004)



	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
ategory *	Cuation of document, with indication, where appropriate, of the relevant passages	nelevant to claim No.
Y	US 6 420 031 B1 (FORREST STEPHEN R ET AL) 16 July 2002 (2002-07-16) cited in the application column 1, line 37 - column 2, line 16 column 10, line 33 - line 46 column 16, line 21 - line 35 figures 2A,2B	8-18
A	US 5 707 745 A (BURROWS PAUL EDWARD ET AL) 13 January 1998 (1998-01-13) column 4, line 20 - column 6, line 5 figure 2C	1-43
A	WO 01/42850 A (GUARD INC) 14 June 2001 (2001-06-14) page 3, line 23 - page 4, line 27 page 6, line 17 - line 26 page 14, line 22 - page 15, line 3 figure 5	1-43
A	EP 0 883 015 A (SUMITOMO CHEMICAL CO) 9 December 1998 (1998-12-09) column 13, line 10 - line 53 figures 2-4	17
A	EP 1 081 767 A (SEMICONDUCTOR ENERGY LAB) 7 March 2001 (2001-03-07) paragraph '0002! - paragraph '0008! paragraph '0046! paragraph '0051! paragraph '0155! - paragraph '0157! figure 2	1
Α	US 2002/125822 A1 (RUTHERFORD NICOLE ET AL) 12 September 2002 (2002-09-12) paragraph '0062!	5,7,13, 41-43

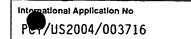
ĺ

nformation on patent family members



						032004/003/16
	atent document d in search report		Publication date		Patent family member(s)	Publication date
ΕP	1378787	Α	07-01-2004	JP	2004039568 A	05-02-2004
				CN	1475845 A	18-02-2004
				EP	1378787 A1	07-01-2004
				US	2004004682 A1	08-01-2004
US	6420031	B1	16-07-2002	US	6469437 B1	22-10-2002
				EP	1044586 A2	18-10-2000
				JP	2001520450 T	30-10-2001
				TW	476227 B	11-02-2002
				US Au	2002176992 A1 1070799 A	28-11-2002 03-05-1999
				EP	1394870 A2	03-03-1999
				WO	9920081 A2	22-04-1999
US	5707745	 А	13-01-1998	AT	220246 T	15-07-2002
				ΑU	690413 B2	23-04-1998
				AU	4509396 A	10-07-1996
				BR	9510076 A	30-12-1997
				CA	2206769 A1	27-06-1996
				CN CN	1293425 A 1291068 A	02-05-2001 11-04-2001
				CN	1170383 A	
				DE	19581862 TO	11-12-1997
				DE	69527308 D1	08-08-2002
				DE	69527308 T2	06-03-2003
				EP	1119059 A2	25-07-2001
				EP	0808244 A2	26-11-1997
				ES	2117590 A1	01-08-1998
				FI FR	972176 A	17-07-1997
				FR FR	2728082 A1 2732480 A1	14-06-1996 04-10-1996
				FR	2732480 A1 2732481 A1	04-10-1996
				GB	2313478 A	
				IT	MI952610 A1	13-06-1996
				JP	10503878 T	07-04-1998
				JP	3496681 B2	16-02-2004
				JP	2001273979 A	05-10-2001
				NO	972706 A	11-08-1997
				PL RU	320750 A1 2160470 C2	27-10-1997 10-12-2000
				WO	9619792 A2	27-06-1996
				US	2001014391 A1	16-08-2001
				US	2003213967 A1	20-11-2003
				US	2002153243 A1	24-10-2002
				US	5703436 A	30-12-1997
				US	5721160 A	24-02-1998
				US	5757026 A	26-05-1998
				US	6358631 B1	19-03-2002
				US US	2001000005 A1 6264805 B1	15-03-2001 24-07-2001
				US	6030700 A	29-02-2000
WO	0142850	 А	14-06-2001	AU	2132501 A	18-06-2001
	32. 34.	- •		WO	0142850 A1	14-06-2001
_				US	2002163606 A1	07-11-2002
	0883015	Α	09-12-1998	EP	0883015 A1	. 09-12-1998
ΕP	0000010					

nformation on patent family members



Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0883015	A		TW	482930 B	11-04-2002
			US	6166793 A	26-12-2000
			JP	11287992 A	19-10-1999
EP 1081767	Α	07-03-2001	JP	2001143874 A	25-05-2001
		•	CN	1287343 A	14-03-2001
			EP	1081767 A2	07-03-2001
			TW	466781 B	01-12-2001
			US	2002180374 A1	05-12-2002
			US	2004000865 A1	01-01-2004
			US	6433487 B1	13-08-2002
US 2002125822	A1	12-09-2002	US	6522067 B1	18-02-2003
			US	6268695 B1	31-07-2001
			EP	1145338 A1	17-10-2001
			JP	2002532850 T	02-10-2002
			TW	439308 B	07-06-2001
			WO	0036665 A1	22-06-2000
			US	2003104753 A1	05-06-2003
			US	6573652 B1	03-06-2003
			US	6548912 B1	15-04-2003
			US	2001015620 A1	23-08-2001